

The Schechter and Berger nomenclature

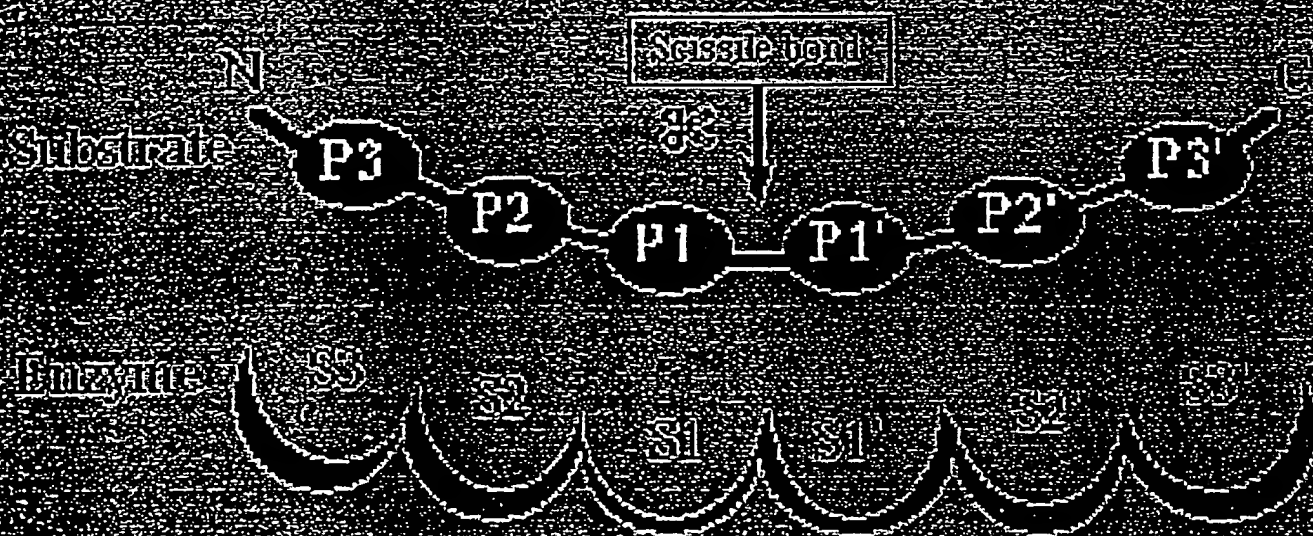


FIG. 1

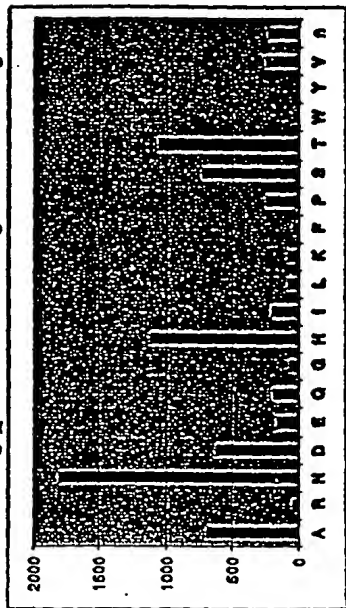
Human β -I Tryptase
P1-Diverse Library Ac-X4-ACC

P1-Amino Acid	k_{cat} (pM/sec)
A	~100.00
R	~1000.00
N	~100.00
D	~100.00
Q	~100.00
E	~100.00
G	~100.00
H	~100.00
I	~100.00
L	~100.00
K	~1000.00
M	~100.00
n	~100.00
F	~100.00
P	~100.00
S	~100.00
T	~100.00
W	~100.00
Y	~100.00
V	~100.00

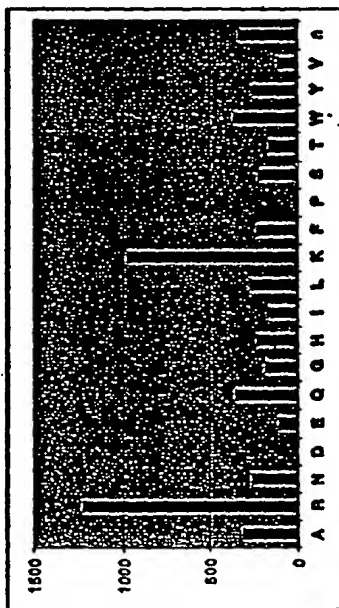
FIG. 2

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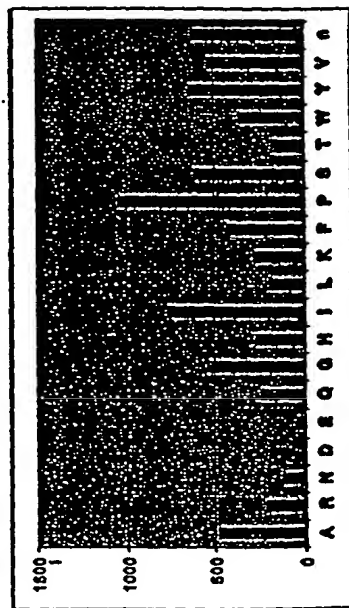
β -I Tryptase P1-Lys Library



P2



P3



P4

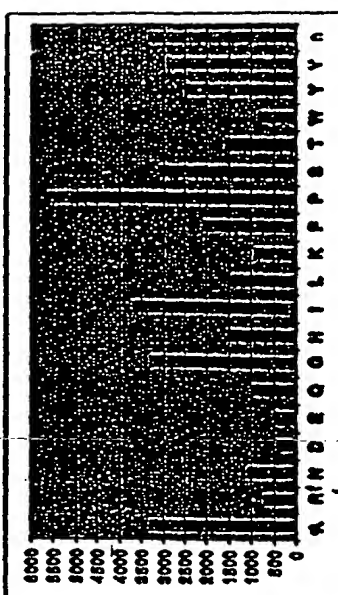
β -I Tryptase P1-Arg Library



P2



P3

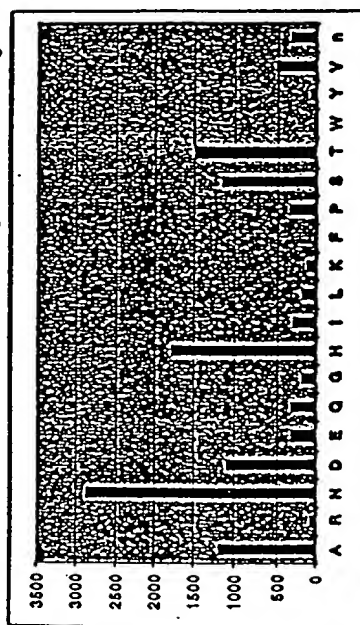


P4

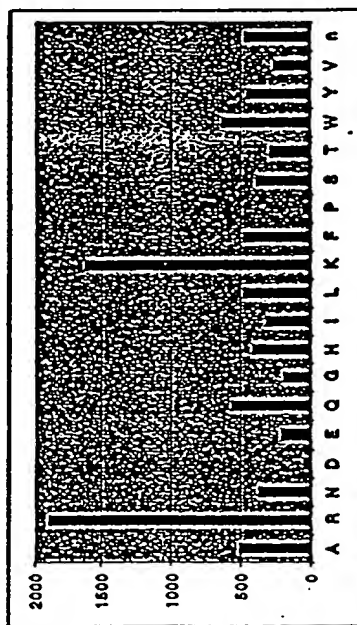
FIG. 3A

FIG. 3B

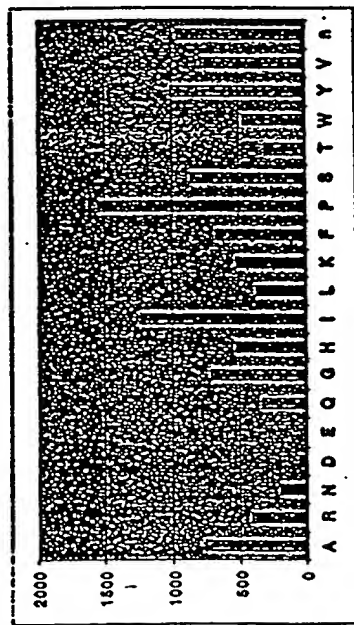
Human β -II Trypsin P1-Lys Library



P2



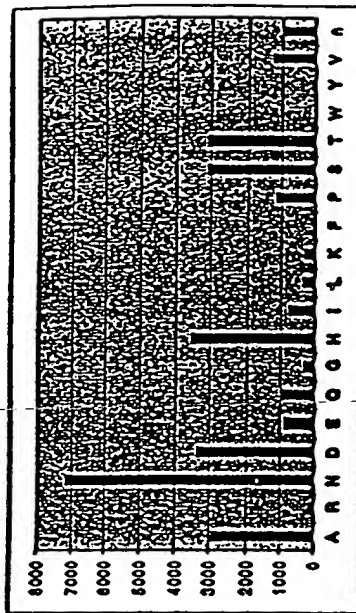
P3



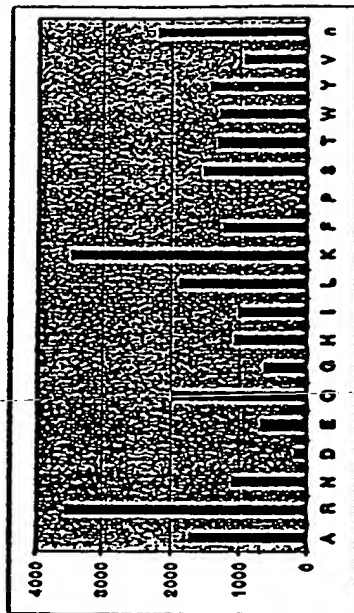
P4

FIG. 4A

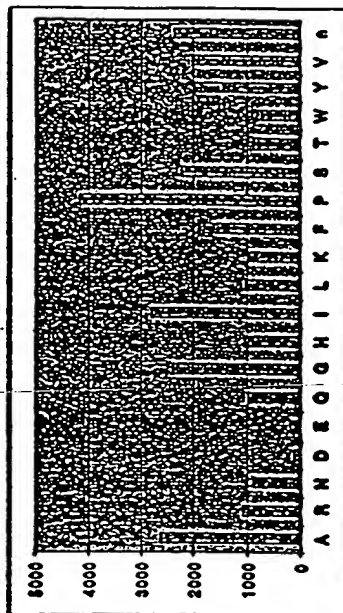
Human β -II Trypsin P1-Arg Library



P2



P3



P4

FIG. 4B

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Ac-PRNK-ACC as an Optimized Trypsin Substrate (Trypsin v. Factor Xa v. Human thrombin)

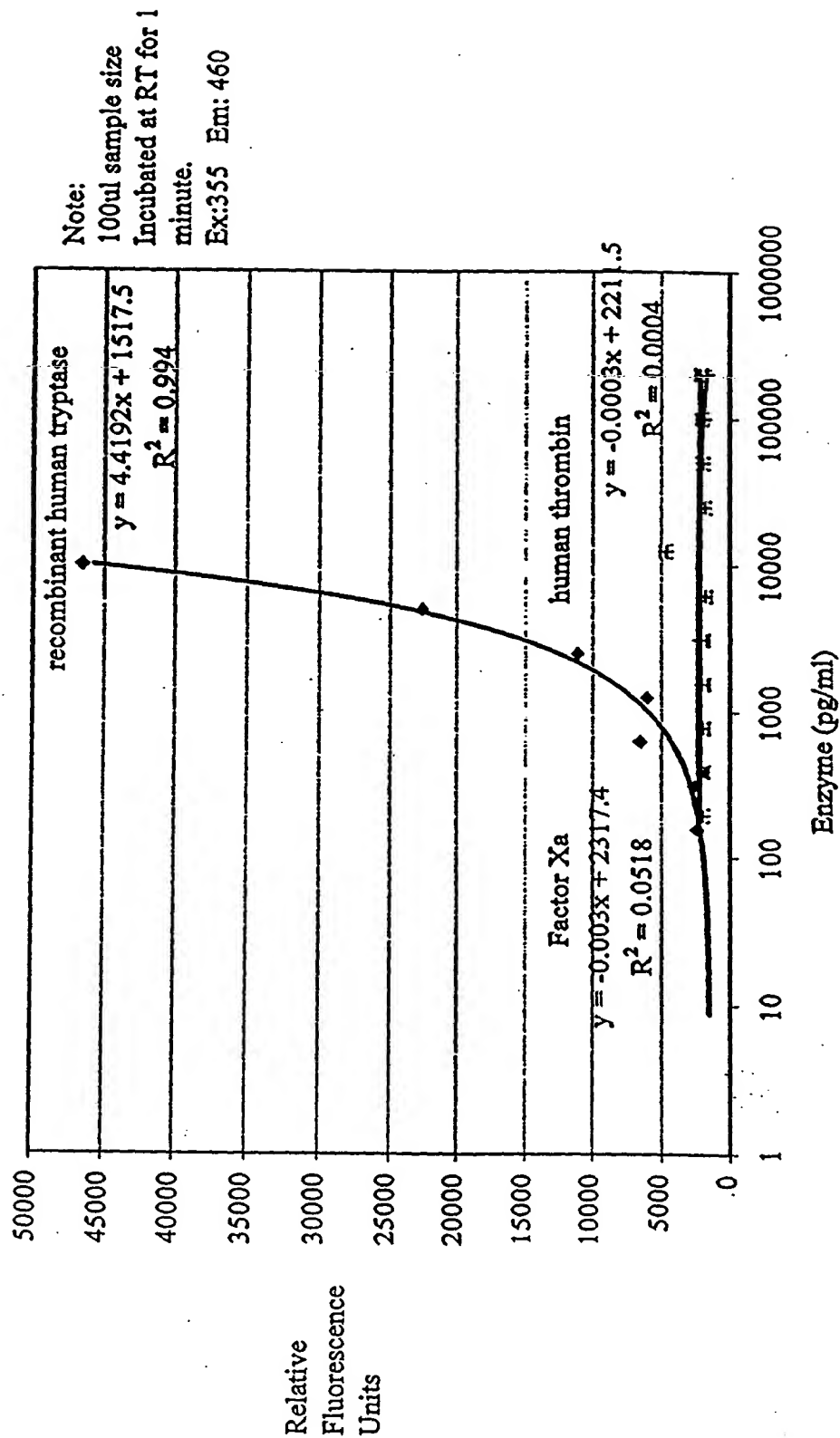


FIG. 5

Fluorometric Trypsin Activity Assay Using Ac-PRNK-ACC in Spiked Assay Buffer

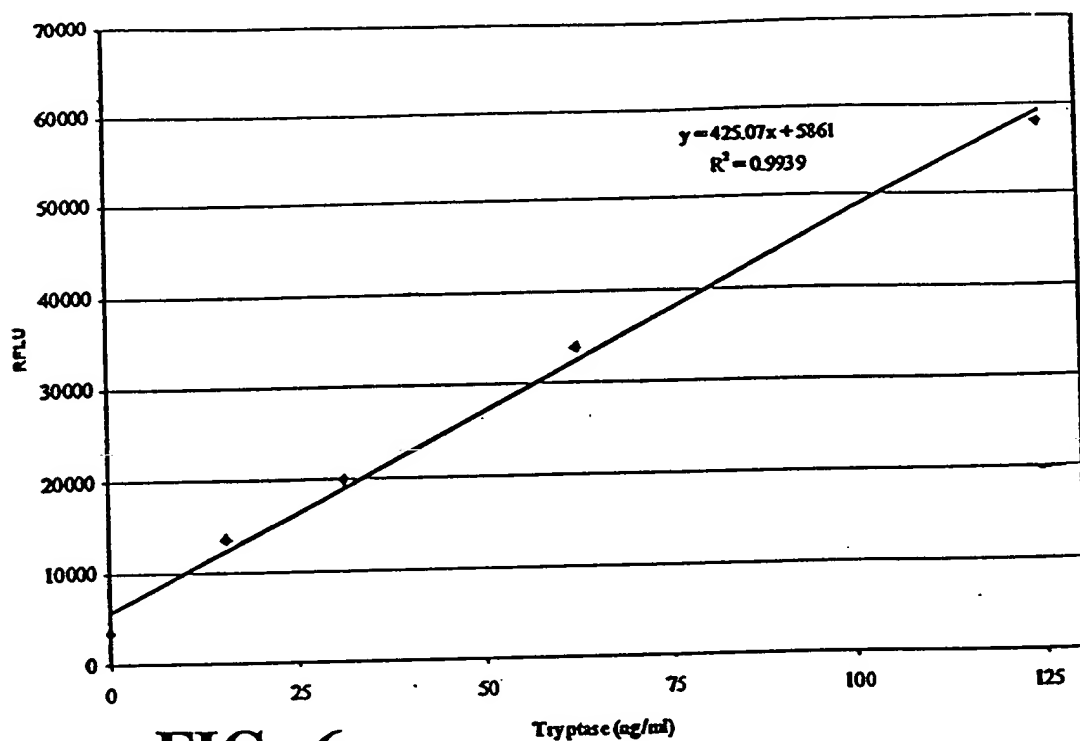


FIG. 6

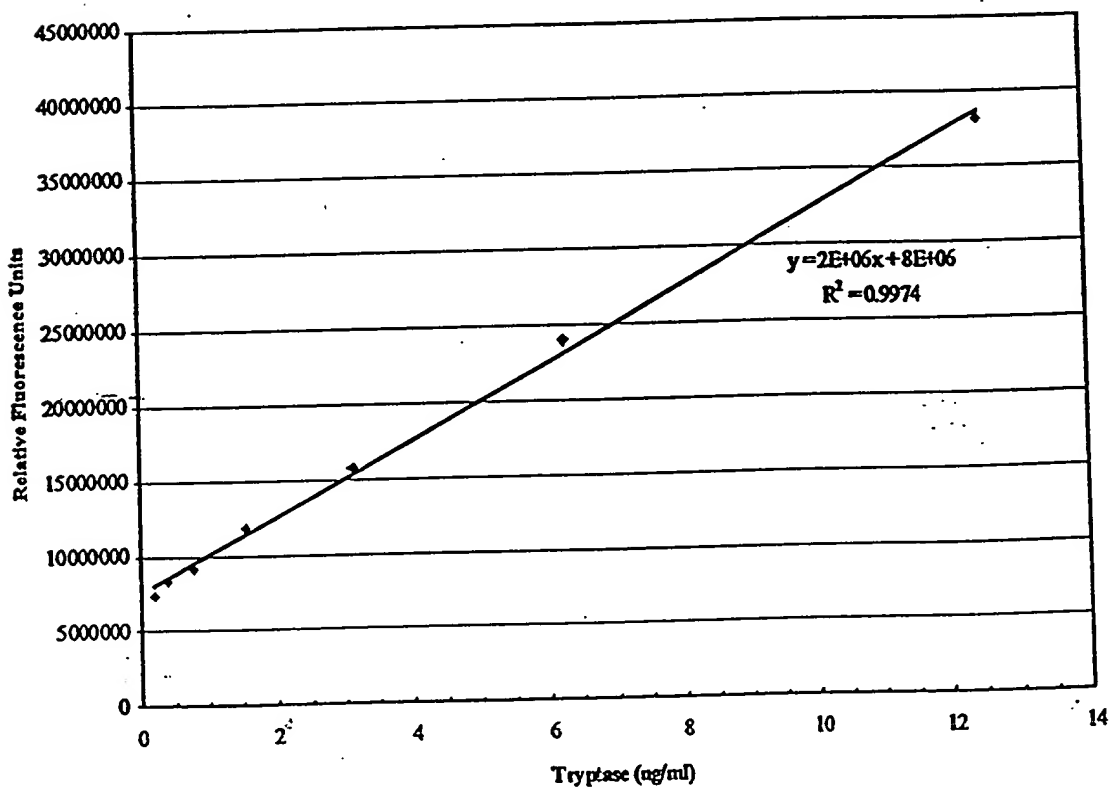


FIG. 7

Use of Ac-PRNK-ACC as a Fluorometric Trypsase Substrate



Exogenously Added Protease Inhibitors: Effects on Ac-PRNK-ACC based Trypsin Activity Assay

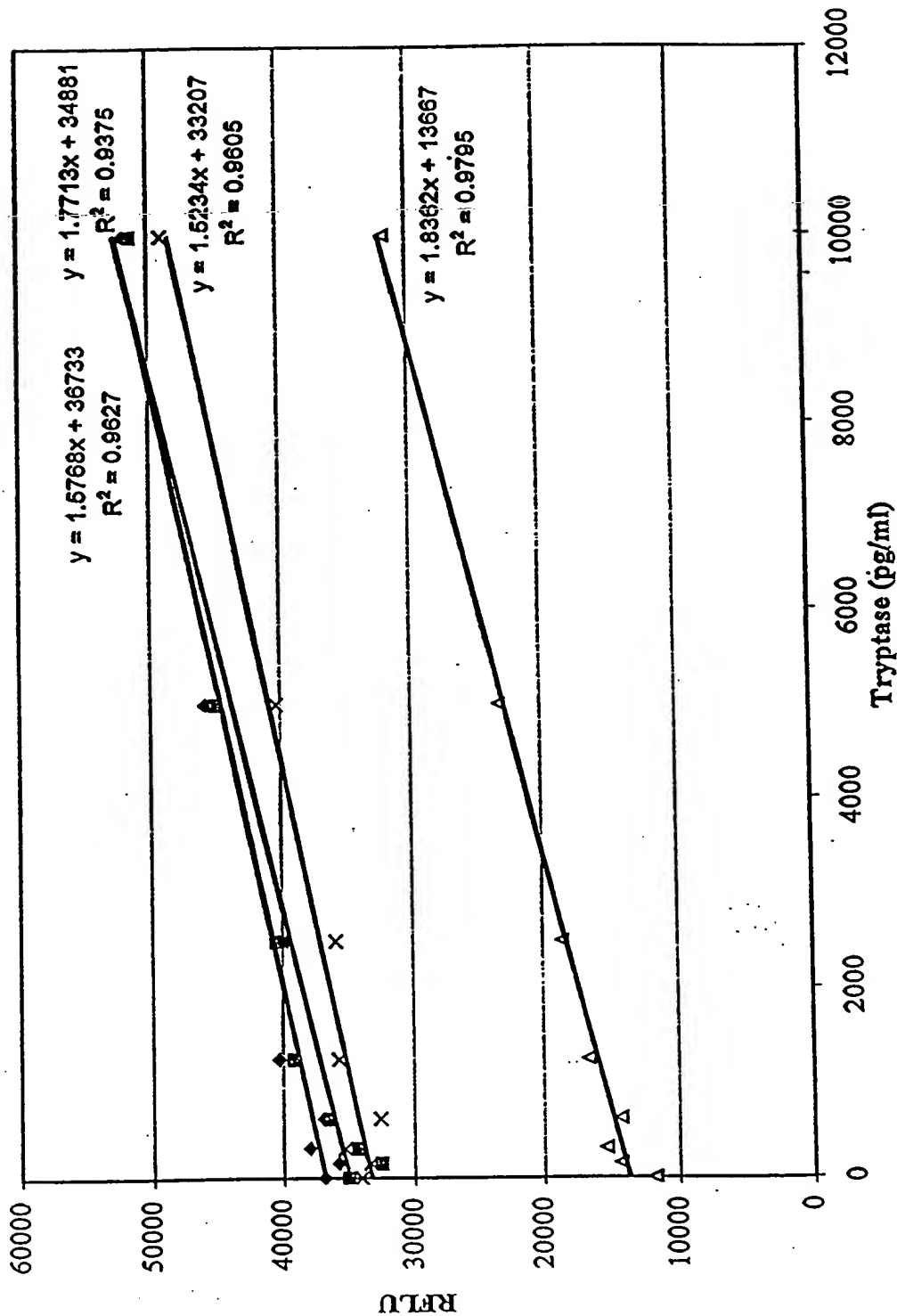


FIG. 9

Aprotinin Treated, Trypsin Standard Curves (Serum v. Buffer)

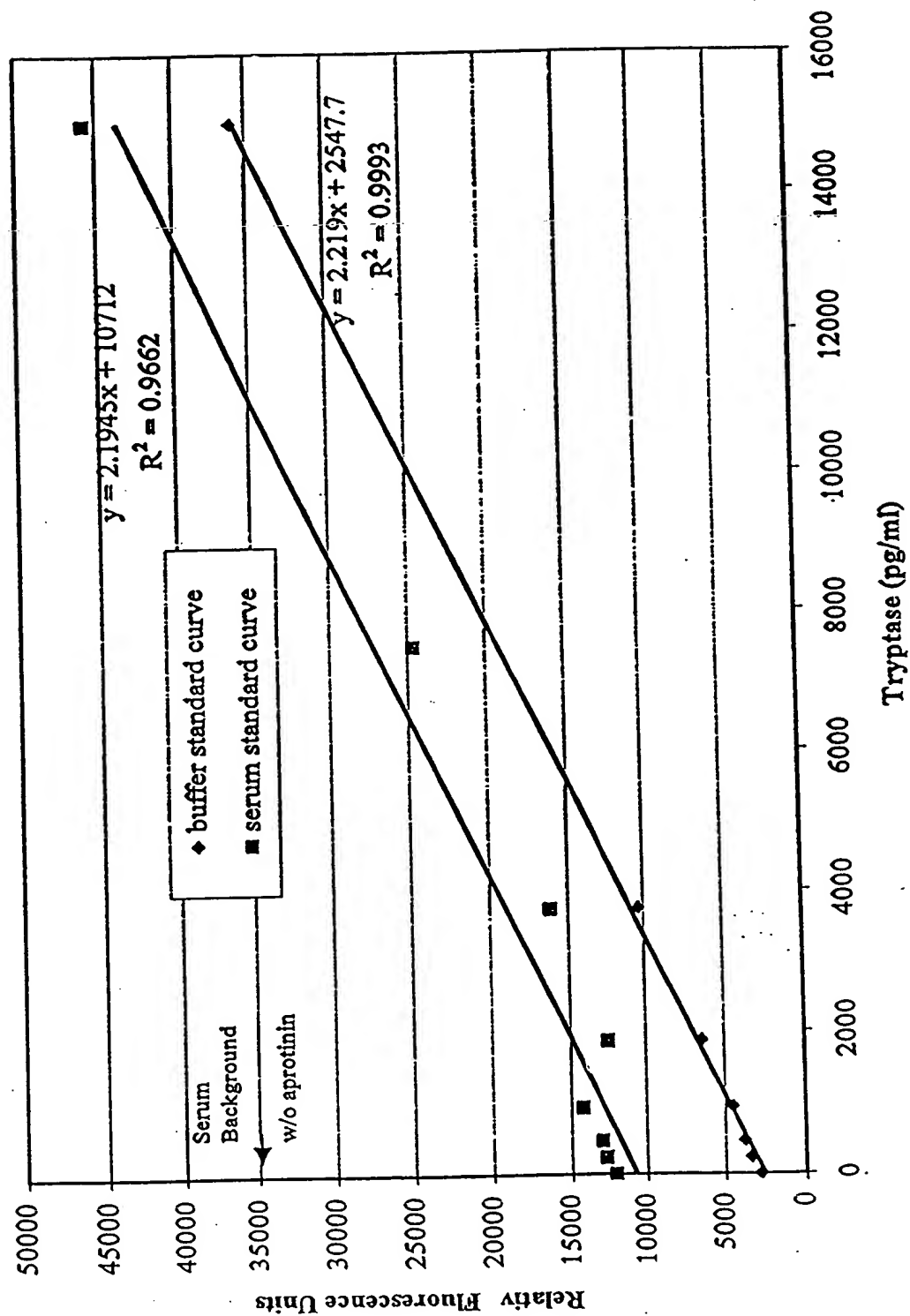


FIG. 10

Tryptase Quantitation in Urine (Aprotinin Treated v. Uninhibited Samples)

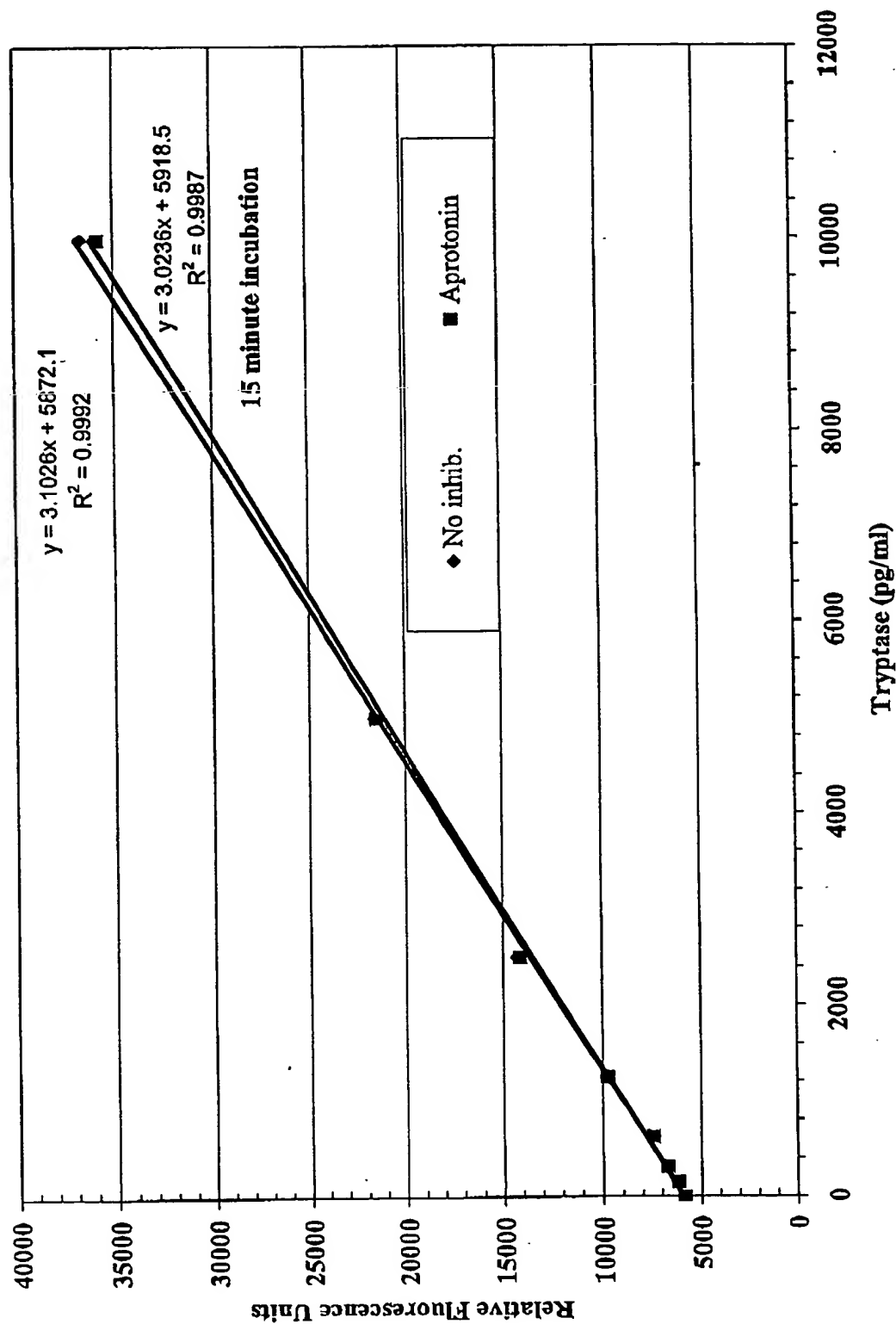


FIG. 11

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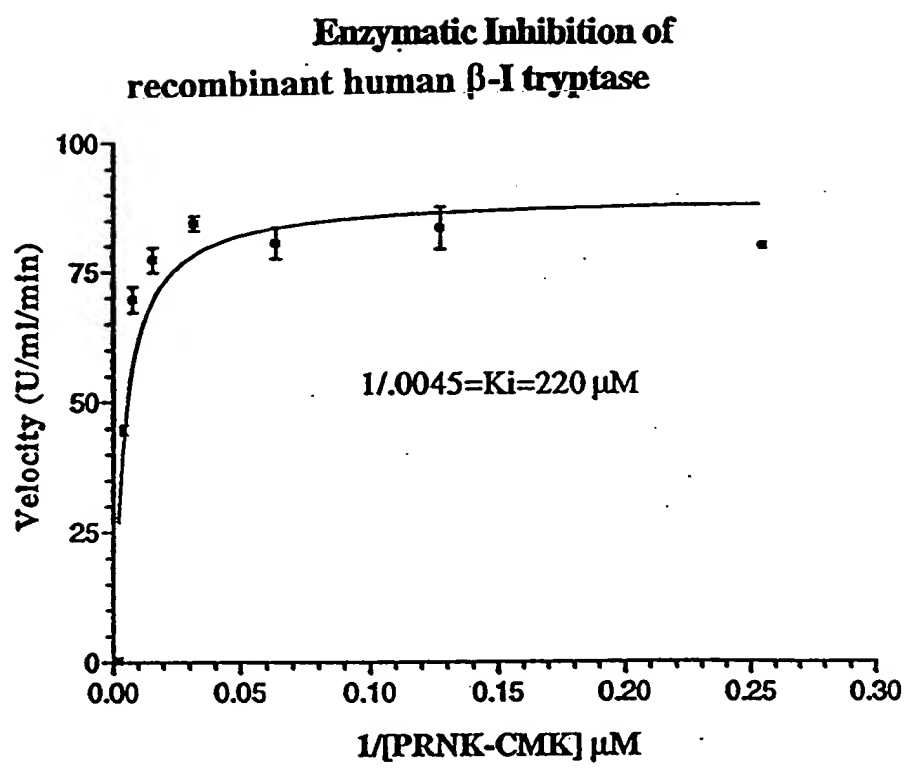


FIG. 12

**Enzymatic Inhibition of recombinant human β -II tryptase
by PRNK-CMK**

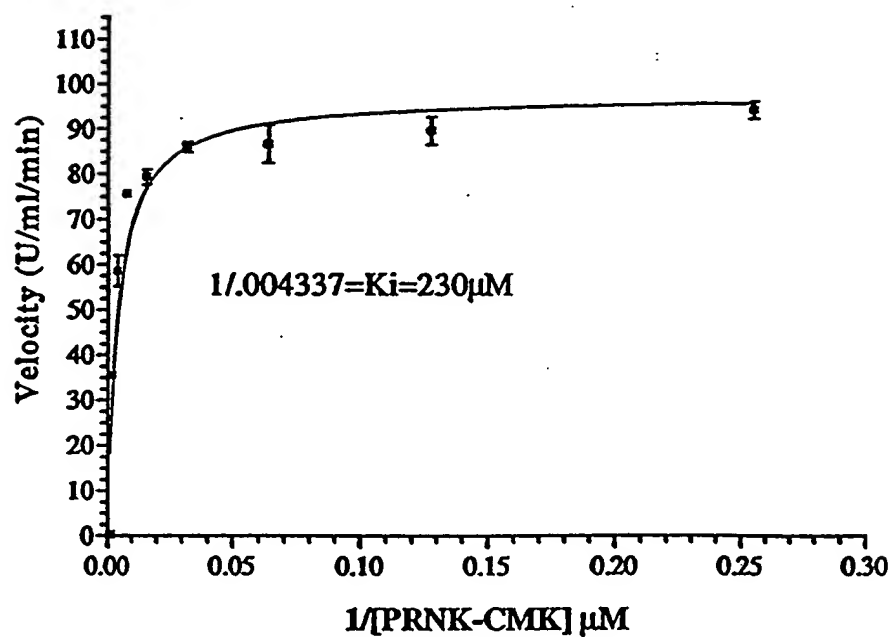


FIG. 13

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Enzymatic Inhibition of Factor Xa by PRNK-CMK

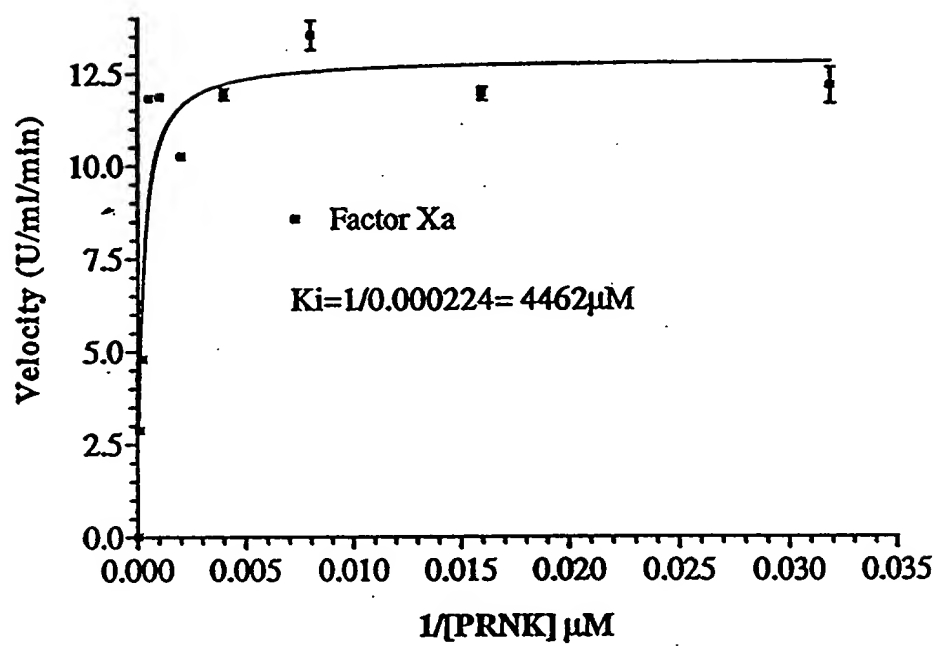


FIG. 14